

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Cantley et al.  
Serial No.: 10/571,242  
Confirmation No.: 6150  
Filed: April 30, 2007  
For: TUMOR SUPPRESSOR LKB1 KINASE DIRECTLY  
ACTIVATES AMP-ACTIVATED KINASE

Examiner: D. Steadman  
Art Unit: 1656

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I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via the Office electronic filing system in accordance with § 1.6(a)(4).

Dated: October 13, 2009

Signature: Nicole Millette Lapomardo/ Nicole Millette Lapomardo

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT**

Sir:

In response to the Office Action mailed April 14, 2009, please amend the above-identified application as follows. This paper is filed with a three month extension of time, extending the period for response to October 14, 2009.

**Amendments to the Specification** begin on page 2 of this amendment.

**Amendments to the Claims** are reflected in the listing of claims that begins on page 3 of this amendment.

**Remarks** begin on page 5 of this amendment.